**Goal 3 Day 2**

**Ratios and Proportions**

A ratio is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



They are often expresses as fractions in simplest form (reduced fraction).



Example:



A proportion is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



Example:



Simplify the following:



To determine if two ratios are proportional (form a proportion) you \_\_\_\_\_\_ \_\_\_\_.



Examples:



1. 2. 3.



Solve each proportion



4. 5. 6.



Word problems can also include proportions.

If I can walk 36 steps in 24 seconds, use a proportion to find out how many steps I can walk in 54 seconds.

Keep in mind that we are comparing steps to seconds



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If Sally can read 85 words in three minutes, how many words can she read in an hour?



You solve the following:

1. 2.

3. 4.